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A Bibliography on Information Science
and Technology for 1966. Part I.

By

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1 July 1966

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The views, conclusions or recommendations expressed in this document do not necessarily reflect the official views or policies of the United States Government.



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Abstract

This continuing bibliography is intended primarily for the use of the authors of chapters in "Annual Review of Information Science and Technology." The style of entries has been modified to suit the author's requirements. Because it is our intention to reduce the gaps left in the 1965 issues, this part of the Bibliography incorporates additional 1965 references cited by the authors of the first volume of the "Review."

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Preface

The National Science Foundation has awarded a grant to the American Documentation Institute to support the establishment of the Review series. The System Development Corporation is providing general technical support to ADI, with Dr. Carlos A. Cuadra serving as Editor.

The abbreviations for the periodical titles in this document are based on the rules in "American Standard for Periodical Title Abbreviations," which were sponsored by the Council on National Library Associations and approved by American Standards Association in November 1964. Those used in this issue of our Bibliography are identified in our "Abbreviations and Index for Periodicals Cited," p. 47-51.

We would welcome suggestions and comments and would greatly appreciate receiving copies of current, pertinent publications.

Grateful acknowledgement is made to Jann Brady for typing and clerical support.

1. ABELSON, PHILIP H. Distribution of U.S. Scientific Literature. Science, 149 (6 Aug. 1965) 589.
2. ABELSON, PHILIP H. Translation of Scientific Literature. Science, 149 (27 Aug. 1965) 929.
3. ADAMS, SCOTT. More on MEDLARS. Libr. J., 90 (1 June 1965) 2450, 2452, 2454.
4. ADAMS, SCOTT. The National Library of Medicine's Role in Biomedical Communications. BioScience, 15 (Sept. 1965) 585-588.
5. ADASKO, V. I., M. M. KANEVSKII, & R. R. PURE. External Storage for Computers. Unedited rough draft translation of Elektrotekhnika (USSR), No. 7 (1964) 62-64. Foreign Technology Div., Wright-Patterson AFB, Ohio, 3 Dec. 1965, 14 p. Report no. ftd-TT-65-1081. TT 66-60073 (AD-625 295).
6. ADKINSON, B. W. Some New Federal Information Switching Mechanisms. Percolator, 40 (July 1965) 46-50.
7. AEC and DoD Information Analysis Center. Spec. Libr., 57 (Jan. 1966) 21-34.
8. AEC Contracts for Trillion-Bit Memory. Bus. Automat., 12:8 (1965) 62.
9. AEROSPACE CORPORATION. Reliability Information/Monitoring System (RIMS): Capability Demonstration. Aerospace Corp., Technology Div., San Bernardino, Calif., Sept. 1965, 132 p. Report no. TOR-669 (S6855-12)-1. (AD-625 724).
10. AGARWAL, R. K. Digital Microtape Recorder. In: Tippett, James T., et al. (eds.). Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass., and London, 1965, p. 581-590.
11. The Age of Machine Talk. Systems, 6:8 (1965) 11-15.
12. AINES, ANDREW A. Science, Technology, and the Library. Spec. Libr., 57 (Jan. 1966) 15-20.
13. Alabama MEDLARS Search Center. Spec. Libr., 57 (Mar. 1966) 197.

14. ALLEN, THOMAS J. & MAURICE P. ANDRIEN, JR. Time Allocation Among Three Technical Information Channels by R & D Engineers, Report No. 131-65, Research Program on the Management of Science and Technology. Massachusetts Institute of Technology, Cambridge, Mass., Aug. 1965.
15. ALLISON, DAVID. The National Science Foundation. Int. Sci. Technol., 52 (Apr. 1966) 76-78, 80, 82, 84, 86.
16. Alternatives to Conventional Card Catalog to be Examined by New York Public Library. Recent Developments CLR (Council on Library Resources), no. 180, 27 Jan. 1966, 1 p.
17. Altmann, Berthold. A Multiple Testing of the ABC Method and the Development of a Second-Generation Model. Part II: Test Results and An Analysis of "Recall Ratio." Report TR-1296. Harry Diamond Labs., U.S. Army Materiel Command, Washington, D.C., Oct. 1965, 36 p.
18. AMAREL, SAUL. On the Mechanization of Creative Processes. IEEE Spectrum, 3 (Apr. 1966) 112-114.
19. AMERICAN LIBRARY ASSOCIATION. LIBRARY TECHNOLOGY PROJECT. The Use of Data Processing Equipment in Circulation Control. Chicago, July 1965, 24 p.
20. AMERICAN STANDARDS ASSOCIATION. Classification and Documentation: English Language Publications, National Standards and Selected Works (Technical Services Bulletin 18). New York, 1965, 13 p.
21. AMERICAN STANDARDS ASSOCIATION, SECTIONAL COMMITTEE X3. One Inch Perforated Paper Tape for Information Interchange--Proposed American Standard. Commun. ACM, 9 (Jan. 1966) 24-25.
22. AMERICAN STANDARDS ASSOCIATION, SECTIONAL COMMITTEE X3. Recorded Magnetic Tape for Information Interchange (800 CPI, NRZI)--Proposed American Standard. Commun. ACM, 9 (Apr. 1966) 285-292.
23. ANDERSON, M. D. The Length of Book Indexes. Indexer, 5 (Spring 1966) 3-4.
24. ANSLEY, DELIGHT. Three Encyclopedia Indexes. Indexer, 5 (Spring 1966) 16-22.
25. ANTONOV, V. V., N. I. MARKIN, & N. V. KATKOVA. Method of Collecting Information in a Long Term Memory Device. Unedited rough draft translation of Patent (USSR), 161577 (Appl. no. 812336/26-24 Jan. 3 63 p. 2) Foreign Technology Div., Wright-Patterson AFB, Ohio, 21 Oct. 1965, 6 p. Report no. ftd-TT-65-634. TT 66-60046 (AD-625 240).

26. ARMITAGE, J. D. & A. W. LOHMANN. Character Recognition by Incoherent Spatial Filtering. Appl. Opt., 4 (Apr. 1965) 461-467.
27. ARMSTRONG, J. A. Fresnel Holograms: Their Imaging Properties and Aberrations. IBM J. Res. Develop., 9 (1965) 171-178.
(ARNOVICK, G. N. see Ref. 417 p)
28. ARO, BARBARA, et al., (eds.). Cost Analysis Study; Technical Services Division, University of Denver Library. Graduate School of Librarianship, Univ. of Denver, Colo., 1965, 118 p. (Studies in Librarianship, no. 4).
29. ARTANDI, SUSAN A. Keeping Up with Mechanization. Libr. J., 90 (1 Nov. 1965) 4715-4717.
30. ASSOCIATION FOR COMPUTING MACHINERY. CURRICULUM COMMITTEE ON COMPUTER SCIENCE. An Undergraduate Program in Computer Science--Preliminary Recommendations. Commun. ACM, 8 (Sept. 1965) 543-552.
31. ATHERTON, PAULINE. An Action Plan for Indexing. Phys. Today, 19 (Jan. 1966) 58-60.
32. ATHERTON, PAULINE. Ranganathan's Classification Ideas: An Analytico-Synthetic Discussion. Libr. Resour. Tech. Serv., 9 (Fall 1965) 463-473.
33. ATOMIC ENERGY COMMISSION. DIVISION OF TECHNICAL INFORMATION. Specialized Information and Data Centers for Nuclear Science and Technology. Washington, D.C., 1965, 4 p. (Brochure).
34. AUERBACH CORPORATION. A Description of AIMS, Auerbach Information Management System. Philadelphia, Pa., 22 Dec. 1965.
35. Automation Costs for Libraries to be Studied at Michigan State University. Recent Developments, CLR (Council on Library Resources), no. 188, 22 Apr. 1966, 2 p.
36. BACHMAN, CHARLES W. On a Generalized Language for File Organization and Manipulation. Commun. ACM, 9 (Mar. 1966) 225-226.
37. BACHMAN, CHARLES W. Software for Random Access Processing. Datamation, 11 (Apr. 1965) 36-41.
(BACHMAN, CHARLES W. see also Ref. 47 m)
38. BAER, KARL A. IFLA-SLS in Action. Spec. Libr., 57 (Mar. 1966) 153-155.

39. BAIRD, H. W. & J. M. GARFUNKEL. Electronic Data Processing of Medical Records. New Engl. J. Med., 272 (10 June 1965) 1211.
(BAKER, FRANK B. see Ref. 417 i)
40. BAPTIE, A. L. Microfiche and Research Reports. Nat. Micro-News, No. 74 (Feb. 1965) 138-144.
41. BARE, CAROLE E. Conducting User Requirement Studies in Special Libraries. Spec. Libr., 57 (Feb. 1966) 103-106.
(BARE, RODERICK H. see Ref. 47 p)
(BARNES, FRANK B. see Ref. 417 k)
42. BARNES, ROBERT F. Mathematico-Logical Foundations of Retrieval Theory: General Concepts and Methods. Center for the Information Sciences, Lehigh University, Bethlehem, Pa., Nov. 1965.
43. BARNETT, G. OCTO, et al. Hospital Computer Project. Memorandum No. 9. Massachusetts General Hospital, Boston, 1965.
44. BARONE, F. L., et al. FID Semi-Automatic Final Conversion System, Final Report. International Business Machines Corp., Thomas J. Watson Research Center, New York, Dec. 1965, 3 vol. (AF. RADC. TR-65-367).
45. BARUCH, JORDAN & G. OCTC BARNETT. Joint Venture at Massachusetts General. Datamation, 11 (Dec. 1965) 29-33.
46. BATTELLE MEMORIAL INSTITUTE. Science Information Exchange User Requirements Study. Phase I: Description of Existing SIE System. Columbus, Ohio, 15 Nov. 1965, 207 p.
47. BAUM, C. & L. GORSUCH, (eds.) Proceedings of the Second Symposium on Computer-Centered Data Base Systems [Santa Monica, Calif., 20-21 Sept. 1965] System Development Corp., Santa Monica, Calif., 1 Dec. 1965, 1 vol. Report no. TM-2624/100/00. (AD-625 417) Contents:
 - a. DRUKEY, DONALD L. Opening Remarks, p. 1-3--1-4.
 - b. TAYLOR, ROBERT W. Opening Remarks, p. 1-5.
 - c. GALENTINE, PAUL G., JR. Opening Remarks, p. 1-7--1-8.
 - d. DOBBS, GUY H. State-of-the-Art Survey of Data Base Systems, p. 2-3--2-10.

47. (Continued)

- e. HOBBS, L. C. The Impact of Hardware Developments on Data Base Systems, p. 2-11--2-28.
- f. TURNER, CHARLES W. Computer-Centered Data Base Systems in Support of High Military Command, p. 2-29--2-35.
- g. CANNING, RICHARD G. Five Approaches to the Same Data Base Problem--Introduction, p. 3-3--3-4.
- h. Description of the Data Base Problem (as furnished to the four participating systems), p. 3-5--3-29.
- i. CATALDO, FRANK. Three COLINGO-Like Approaches to the Data Base Problem, p. 3-31--3-122.
- j. POSTLEY, JOHN A. Mark III File Management System, p. 2-123--3-142.
- k. CASTLEMAN, PAUL A. On-Line Data Management System for the Massachusetts General Hospital, p. 3-143--3-183.
- l. ZIEGLER, J. R. BEST System, p. 3-185--3-230.
- m. BACHMAN, CHARLES W. Integrated Data Store, p. 3-231--3-275.
- n. BLIER, ROBERT E. LUCID, p. 4-3--4-6.
- o. BOWMAN, SALLY. General Purpose Display System (GPDS), p. 4-7--4-8.
- p. BARE, RODERICK H. ECCO and EPIC, p. 4-9--4-11.
- q. Reports of the Work Group Chairmen, p. 5-1--5-29.

48. BAXENDALE, PHYLLIS B. "Autoindexing" and Indexing by Automatic Processes. Spec. Libr., 56 (Dec. 1965) 715-719.

49. BEAZLEY, W. B., W. G. DODGE, & W. R. SAXTON. The I.C.R. KCYPER System for Information Retrieval. Pulp & Paper Mag. Can., 67 (Jan. 1966) 92-93.

50. BECKER, H. Documentation and Data Processing in Pathology: Experiences with Punched Cards. Meth. Inform. Med., 4 (Mar. 1965) 30-35.

51. BECKER, JOSEPH. IBM Circulation Control. Drexel Libr. Quart., 1 (July 1965) 29-32.

52. BELLERT, IRENA. Relational Phrase Structure Grammar and Its Tentative Applications. Inform. Contr., 8 (Oct. 1965) 503-530.
53. BENJAMIN, CURTIS G. Computers and Copyrights. Science, 152 (8 Apr. 1966) 181-184.
54. BENTON, MILDRED & CHARLES W. SHILLING. Japanese Bio-Medical Serials: Their Identification and an Analysis of Their Contents. Biological Sciences Communication Project, George Washington Univ., Washington, D.C., Dec. 1965, 104 p. (BSCP Communiqué 23-65).
55. BERNAYS, PETER M. New Chemical Abstracts Services for 1965. Percolator, 40 (July 1965) 32-35.
56. BERNIER, CHARLES L. Indexing Process Evaluation. Amer. Doc., 16 (Oct. 1965) 323-328.
57. BERZTISS, A. T. A Note on Storage of Strings. Commun. ACM, 8 (Aug. 1965) 512-513.
58. BICHEL, R. L. & J. L. SMITH. List Processing Project Final Report. TM-DA-4/001/00. System Development Corp., Santa Monica, Calif., Aug. 1965, 61 p.
59. BLEGEN, AUGUST H. Records Management Step-By-Step. Office Publications, Stamford, Conn., 1965, 140 p.
(BLEIR, ROBERT E. see Ref. 47 n)
60. BLOOMFIELD, MASSE. Role of One Technical Library in Support of an Information Center. Spec. Libr., 57 (Jan. 1966) 39-44.
61. BLOOMFIELD, MASSE. Simulated Machine Indexing, Part 1: "Physics Abstracts" Subject Index Used as a Thesaurus. Spec. Libr., 57 (Mar. 1966) 167-171.
62. BLOOMFIELD, MASSE. Simulated Machine Indexing, Part 2: Use of Words from Title and Abstract for Matching Thesaurus Headings. Spec. Libr., 57 (Apr. 1966) 232-235.
63. BLOOMFIELD, MASSE. Simulated Machine Indexing, Part 3: "Chemical Abstracts" Index Used as a Thesaurus. Spec. Libr., 57 (May-June 1966) 323-326.
64. BOHM, CORRADO & GIUSEPPE JACOPINI. Flow Diagrams, Turing Machines and Languages with Only Two Formation Rules. Commun. ACM, 9 (May 1966) 366-371.

65. BOLT, RICHARD A., SCOTT I. ALLEN, & JOHN W. WEBB. Some Information Indexing Techniques in a Real-Time Hospital Computer System. J. Chem. Doc., 6 (Feb. 1966) 57-60.
66. BONNELL, M., W. CARR, & C. LAUER. Acronyms. McDonnell Aircraft Corp., St. Louis, Mo., 1 Dec. 1965, 76 p. (AD-625 208).
(BORKO, HAROLD see Ref. 417 aa)
67. BOTTLE, R. T. University Instruction in the Structure and Use of Chemical Literature in Central Europe. J. Chem. Doc., 6 (Feb. 1966) 3-6.
68. BOUSCHER, HERBERT. Regiscope Charging System. Drexel Libr. Quart., 1 (July 1965) 23-25.
(BOWMAN, SALLY see Ref. 47 o)
69. BRADEN, R. C. & C. S. WRIGHT. A Review of the Mechanical Properties Data Center Operation and Expansion. Belfour Engineering Co., Sutton's Bay, Mich., June 1965, 57 p.
70. BRANDEIS, E. P. A Comprehensive Look at Magnetic Tape Rehabilitation. Data Process. Mag., 7 (Oct. 1965) 28-32.
71. BREWER, J. English Article Insertion: Further Studies. Bunker-Ramo Corp., Canoga Park, Calif., Sept. 1965.
72. BROWNSON, HELEN L. Evaluation of Document Searching Systems and Procedures. J. Doc., 21 (Dec. 1965) 261-266.
73. BRYANT, EDWARD C. Evaluation of Information Retrieval Systems in Patent Office Environments. Part 1: Statistical Concepts. Westat Research Analysts, Inc., Bethesda, Md., Feb. 1965, 39 p. (PB-168 000).
74. BRYON, JOHN. Let's Have an Improvement in British Book Indexes. Indexer, 5 (Spring 1966) 43-45.
75. BUNDY, MARY LEE & RUTH ARONSON, (eds.). Social and Political Aspects of Librarianship. (Student Contributions to Library Science). State University of New York at Albany, School of Library Science, Albany, 1965, 99 p.
76. BUNKER-RAMO CORPORATION. A Syntactic Analyzer Study, Final Report. Canoga Park, Calif., July 1965.
77. BURNAUGH, HOWARD P. The BOLD (Bibliographic On-Line Display) System. System Development Corp., Santa Monica, Calif., 6 Apr. 1966, 23 p. (SP-2338/000/01).

78. BURNAUGH, HOWARD P. Retrieval Program for the BOLD System. System Development Corp., Santa Monica, Calif., 10 Jan. 1966, 12 p. (TM-2306/002/00).
79. BYRD, CECIL K. Subject Specialists in a University Library. Coli. Res. Libr., 27 (May 1966) 191-193.
80. CACERES, C. A. Computer Analys's of Medical Signals. Datamation, 11 (Dec. 1965) 34-39.
(CANNING, RICHARD G. see Ref. 47 g)
81. CARSON, R. W. Now--Instant Access to Data on Copper Alloys. Prod. Eng., 36 (8 Nov. 1965) 112-114.
82. CASELLAS, ELIZABETH. Relative Effectiveness of the Harvard Business, Library of Congress, and the Dewey Decimal Classification for a Marketing Collection. Libr. Resour. Tech. Serv., 9 (Fall 1965) 417-437.
83. CASEY, R. & G. NAGY. Recognition of Printed Chinese Characters. IEEE Trans. Electron. Comput., EC-15 (Feb. 1966) 91-101.
84. CASTAGNA, EDWIN. National Inventory of Library Needs. American Library Ass., Chicago, Ill., 1965, 72 p.
(CASTLEMAN, PAUL A. see Ref. 47 k)
(CATALDO, FRANK see Ref. 47 i)
85. CHADWICK, CATHERINE S. The Book Catalog--New Hope for Cooperative Programs. Libr. Resour. Tech. Serv., 10 (Spring 1966) 160-163.
(CHANDLER, G. see Ref. 103 h)
86. CHAPANIS, ALPHONSE. On the Allocation of Functions between Men and Machines. Occup. Psychol., 39 (Jan. 1965) 1-11.
87. CHAPMAN, T. S. The Patent as a Technical Publication. Res./Develop., 16 (Nov. 1965) 18-19.
88. Charging Systems, Proceedings of the Charging Systems Conference, held at Drexel, Philadelphia, Pa., 5 Nov. 1964. Drexel Libr. Quart., 1 (July 1965) 3-37.
89. CHATMAN, S. A Theory of Meter. Mouton, The Hague, 1965.

90. CHERRY, J. W. Computer-Produced Indexes in a Double Dictionary Format. Spec. Libr., 57 (Feb. 1966) 107-110.
91. CHESHIER, ROBERT G. Regional Workshop on the Report Literature. Sci-Tech News, 20 (Spring 1966) 12-13.
92. CHICOREL, MARIETTA. Acquisitions in a Age of Plenty. Libr. Resour. Tech. Serv., 10 (Winter 1966) 19-27.
93. CHICOREL, MARIETTA. Statistics and Standards for College and University Libraries. Coll. Res. Libr., 27 (Jan. 1966) 19-22, 51.
94. CHOW, C.K. Statistical Independence and Threshold Functions. IEEE Trans. Electron. Comput., EC-14 (Feb. 1965) 66-68.
95. CHRISTIANSON, ELIN B. Automation and Libraries. Spec. Libr., 57 (Feb. 1966) 101-102.
96. CHROUST, GERHARD. A Heuristic Derivation Seeker for Uniform Prefix Languages. Master's thesis. Moore School of Electrical Engineering, Univ. of Pennsylvania, Philadelphia, Sept. 1965, 310 p. Report no. 66-13. (AD-626 472).
97. CHURCHILL, N. C., C. H. KRIEBEL, & A. C. STEDRY. Proposed Research on Management Information Systems. Graduate School of Industrial Administration, Carnegie Institute of Technology, Oct. 1965, 16 p. (Management Sciences Research Report no. 54) (AD-624 730).
98. CLEVERDON, CYRIL, JACK MILLS, & MICHAEL KEEN. Factors Determining the Performance of Indexing Systems. Vol. 1: Design. Part 1: Text. ASLIB Cranfield Research Project, Cranfield, Bedford, England, 1966, 120 p.
99. CLEVERDON, CYRIL, JACK MILLS, & MICHAEL KEEN. Factors Determining the Performance of Indexing Systems. Vol. 1: Design. Part 2: Appendices. ASLIB Cranfield Research Project, Cranfield, Bedford, England, 1966, p. 121-377.
100. COATES, E. J. Scientific and Technical Indexing. Indexer, 5 (Spring 1966) 27-34.
(COBLANS, H. see Ref. 103 k)
101. COHEN, K. & J. H. WEGSTEIN. AXLE: An Axiomatic Language for String Transformations. Commun. ACM, 8 (Nov. 1965) 657-660.

102. COLLEN, MORRIS F. Multiphasic Screening as a Diagnostic Method in Preventive Medicine. Meth. Inform. Med., 4 (June 1965) 71-74.
103. COLLISON, ROBERT L., (ed.) Progress in Library Science, 1965. Butterworths, Washington, 1965, 216 p.
 - a. DAY, K. Book and Periodical Production, p. 1-23.
 - b. HARRIS, G. EDWARD. The Book Trade, p. 24-32.
 - c. THORNTON, J. L. Indexing, p. 33-46.
 - d. WAKEMAN, J. Integration for Libraries, p. 47-56.
 - e. DARLINGTON, I. Archives and Archivists, 1964, p. 57-79.
 - f. DAVIES, J. H. Recent Trends in Music Librarianship, p. 80-95.
 - g. FARRADANE, J. Training for Information Science, p. 96-110.
 - h. CHANDLER, G. The Public Libraries and Museums Act 1964, p. 111-124.
 - i. FOSKETT, D. J. Comparative Librarianship, p. 125-146.
 - j. COLLISON, R. L. Bibliographies and Catalogues, p. 147-164.
 - k. COBLANS, H. Trends in Research and Development, p. 165-178.
 - l. ROBINSON, J. Exploring the Range of Adult Interests, p. 179-191.
 - m. SEYER, B. The Tutor Librarian, p. 192-194.
 - n. PAGE, C. Subscription Libraries and Library Suppliers, p. 195-198.
 - o. Television Libraries, p. 199-208.
104. COMPTON, BERTITA E. A Look at Conventions and What they Accomplish. Amer. Psychol., 21 (Feb. 1966) 176-183.
105. COMPUTER COMMAND AND CONTROL COMPANY. Associative Memory Computer System--Description and Selected Naval Applications. Report no. 25-101-11. Philadelphia, Pa., 10 Apr. 1965, 133 p.
106. COMPUTER RESEARCH CORPORATION. Time-Sharing Systems Scorecard, No. 2. Belmont, Mass., Fall 1965. Reprinted in: Commun. ACM, 9 (Jan. 1966) 50-51.

107. COMPUTER USAGE COMPANY, INC. Specification for an Automated Library System. Prepared for University of California at Santa Cruz, Calif. Palo Alto, Calif., Apr. 1965, 122 p. (Unpub.)
108. COOPER, DANIEL I. Pop Science. Amer. Doc., 17 (Apr. 1966) 53-56.
109. COOPER, JOHN A. D. Information Needed for Clinical Trials of New Drugs. J. Chem. Doc., 6 (Feb. 1966) 37-40.
110. COPE, R. L. Recent Developments in Soviet Libraries: A Review. Austral. Libr. J., 14 (Mar. 1965) 24-26.
111. COTE, ALFRED J., JR. Synthetic Nerve Networks. Naval Ordnance Lab., White Oak, Md., 27 Apr. 1965, 141 p. Report No. noltr-65-55 (AD-625 225).
112. COVILL, GEORGE W. Automation in the Library: A Review of the State of the Art. Spec. Libr., 57 (May-June 1966) 332-335.
113. COYLE, GEORGIA. Bookomatic Charging System. Drexel Libr. Quart., 1 (July 1965) 22-23.
114. COYLE, MICHAEL. McBee Keysort Cards. Drexel Libr. Quart., 1 (July 1965) 26-28.
115. CUMMINGS, FREDERICK. The Art Reference Library. Coll. Res. Libr., 27 (May 1966) 201-206.
116. CURRELL, H. J. S. Access to Information; A Conference on a National Bibliographical Service. Libr. World, 67 (Jan. 1966) 210-211.
117. CURRIER, DONALD R. The Ten Commandments of System Design in AFOSR's Management Control Data System. IEEE Trans. Eng. Manage., EM-13 (Mar. 1966) 16-21.
118. DAHLBERG, I. Bericht Über den FID Kongress in Washington, D.C., vom 10. bis 15. Oktober 1965. Nachr. Dok., 16 (Dec. 1965) 227-233.
(DALE, A. G. & N. DALE see Ref. 417 y)
119. DALTON, PHYLLIS I. Government and Libraries. Spec. Libr., 57 (Apr. 1966) 240-241.
120. DAMERAU, FRED J. An Experiment in Automatic Indexing. Amer. Doc., 16 (Oct. 1965) 283-289.

121. DANDEKAR, M. S. The Second Insdoc Seminar on Scientific and Technical Translation. Babel, 11:3 (1965) 109-110.
(DARLINGTON, I. see Ref. 103 e)
122. DAVENPORT, W. C. The Chemical Abstracts Service Computer-Based Chemical Information Processing System. In: Association for Computing Machinery. Proceedings of the 20th National Conference, Cleveland, Ohio, 24-26 August 1965. Lewis Winner, Editor/Publisher, New York, 1965, p. 217-223.
123. DAVID, EDWARD E., JR. Sharing a Computer. Int. Sci. Technol., no. 54 (June 1966) 38-40, 42-44, 46-47.
(DAVIES, J. H. see Ref. 103 f)
(DAY, K. see Ref. 103 a)
124. DEIBERT, C. R. & F. T. TURNER. Optical Character Reader. West. Union Tech. Rev., 19 (Oct. 1965) 148-155.
125. De LAET, F. C. R. Coding and Recording of Chemical Flowsheets for Mechanical Search. Rev. Int. Doc., 32 (Aug. 1965) 91-98.
126. DEL FRATE, ADELAIDE A. Growth of Bound Volume Holdings of Special Libraries Correlated to the Growth of Chemical Literature. Spec. Libr., 56 (Nov. 1965) 654-655.
127. DENNIS, JACK B. & EARL C. VAN HORN. Programming Semantics for Multiprogrammed Computations. Massachusetts Institute of Technology, Cambridge, Mass., Dec. 1965, 46 p. (MAC-TR-23).
(DENNIS, SALLY F. see Ref. 417 h)
128. DiBELLO, FRANK A. & HEINO VILL. The Definition of Requirements for A Sealaunched Missile Information Analysis Center. Vitro Labs., Silver Spring, Md., Nov. 1965, 65 p. Report no. vitro-TN-01856.01-4 (AD-625 193).
129. Do You Use Your Engineering Societies Library as Much as You Might? IEEE Spectrum, 3 (May 1966) 80-83.
(DOBBS, GUY H. see Ref. 47 d)

130. Documentation and Dissemination of Research and Development Results. Spec. Libr., 57 (Feb. 1966) 114.
131. DORWARD, DONALD L. Words about Words: Non-Conventional Methods of Handling Chemical Information (Occasional Papers no. 76). Univ. of Illinois Graduate School of Library Science, Urbana, 1965, 12 p. (DOUDNIKOFF, BASIL & ARTHUR N. CONNER, JR. see Ref. 417 o)
132. DOUGHERTY, RICHARD M. Acquisitions--1965 in Review. Libr. Resour. Tech. Serv., 10 (Spring 1966) 165-172.
133. DOUGHERTY, RICHARD M. & SAMUEL M. BOONE. An Ordering Procedure Utilizing the Xerox 914 Electrostatic Process. Libr. Resour. Tech. Serv., 10 (Winter 1966) 43-50. (DOYLE, LAUREN see Ref. 417 c)
134. DREW, D. L., R. K. SUMMIT, R. I. TANAKA, & R. B. WHITELEY. An On-Line Technical Library Reference Retrieval System. Amer. Doc., 17 (Jan. 1966) 3-7.
135. DREYFUS, HUBERT L. Alchemy and Artificial Intelligence. RAND Corp., Santa Monica, Calif., Dec. 1965, 90 p. (P-3244). (DRUKEY, DONALD L. see Ref. 47 a)
136. DUDA, R. O. & H. FOSSUM. Pattern Classification by Iteratively Determined Linear and Discriminant Functions. IEEE Trans. Electron. Comput., EC-15 (Apr. 1966) 220-232.
137. DUNKIN, PAUL S. 1965: Year of the Big Book. Libr. Resour. Tech. Serv., 10 (Spring 1966) 172-176.
138. EBBING, H. C. Dokumentation der Krankheiten und Todesursachen in der Medizinalstatistik. [Documentation of Diseases and Causes of Death in Medical Statistics]. Meth. Inform. Med., 4 (Mar. 1965) 38-41.
139. ECKARD, HELENE. Bericht Über die 17. Jahresversammlung und Arbeitstagung der Deutschen Gesellschaft für Dokumentation e V. in Konstanz, Konzilsgebäude, vom 28. bis 30. September 1965. Nachr. Dok., 16 (Dec. 1965) 209-215. (EDMUNDSON, H. P. see Ref. 417 f)

140. ENGELMAN, C. MATHLAB: A Program for On-Line Machine Assistance in Symbolic Computations. MITRE Corp., Bedford, Mass., Oct. 1965, 31 p. (Report no. MPT-18).
141. ENGINEERS JOINT COUNCIL. Rules for Preparing and Updating Engineering Thesaurus. New York, June 1965, 3 p.
142. ERBERSDOBLER, HELMUT. Literaturdokumentation für die Forschung. Nachr. Dok., 16 (Dec. 1965) 200-202.
143. ERTEL, L., et al. Fulcrum Techniques for Chinese-English Machine Translation, Final Report. Bunker-Ramo Corp., Canoga Park, Calif. July 1965.
144. ERVIN-TRIPP, S. M. & D. I. SLOBIN. Psycholinguistics. In: Annual Review of Psychology. Annual Reviews, Inc., Palo Alto, Calif., 1966, Vol. 17, p. 435-474.
145. EVANS, ARTHUR, JR. Syntax Analysis by a Production Language. Doctoral thesis. Carnegie Institute of Technology, Pittsburgh, Pa., 1965, 160 p. (AD-625 465).
146. EVANS, LUTHER H. Some Objectives of International Library Cooperation. Spec. Libr., 57 (Mar. 1966) 149-152.
147. FANO, R. M. The MAC System: A Progress Report. In: SASS, M. & W. W. Wilkinson, (eds.) Computer Augmentation of Human Reasoning. Spartan Books, Washington, D.C., 1965, p. 131-150.
148. FANWICK, CHARLES. Trends in Computer Hardware. System Development Corp., Santa Monica, Calif., 17 Mar. 1966, 35 p. (SP-2393).
(FARRADANE, J. see Ref. 103 g)
149. FAVA, JAMES A. & ALEXANDER G. HOSHOVSKY. Availability of Scientific Journals in Defense Oriented Libraries. Office of Aerospace Research, Washington, D.C., 1 Nov. 1965, 56 p. Report no. car65-10 (AD-625 509).
150. FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY. COMMITTEE ON SCIENTIFIC AND TECHNICAL INFORMATION (COSATI). Federal Microfiche Standards, prepared by the COSATI Ad Hoc Microfiche Committee. 1st edition. Office of Science and Technology, Executive Office of the President, Washington, D.C. Sept. 1965, 14 p. (PB-167 630/50 cents).

151. FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY. COMMITTEE ON SCIENTIFIC AND TECHNICAL INFORMATION (COSATI). First Report of Panel 2 - Information Sciences Technology. Office of Science and Technology, Executive Office of the President, Washington, D.C., Sept. 1965, 9 p.
152. FEHLER, JOACHIM. Die Lochkarte in der Krankenhausverwaltung. [The Punched Card in Hospital Administration]. Meth. Inform. Med., 4 (Mar. 1965) 21-26.
153. FEINLER, E. J., C. J. COOK, O. HEINZ, & C. P. BOURNE. Attitudes of Scientists Toward a Specialized Information Center. Amer. Doc., 16 (Oct. 1965) 329-333.
154. FELTER, JACQUELINE W. & DJOENG S. TJOENG. A Computer System for a Union Catalog: Theme and Variations. Bull. Med. Libr. Ass., 53 (Apr. 1965) 163-177.
155. FILL, KARL. Das Ausbildungsprogramm der Deutschen Gesellschaft für Dokumentation e.V. Nachr. Dok., 16 (Dec. 1965) 203-208.
156. FINK, DONALD G. Computers and the Human Mind. Doubleday & Co., Inc., Garden City, N.Y., 1966, 280 p.
157. FISCHEL, DANIEL N. Book Publishing--and Bookkeeping. Science, 152 (13 May 1966) 871-875.
158. FISCHER, MARQUERITE. The KWIC Index Concept: A Retrospective View. Amer. Doc., 17 (Apr. 1966) 57-70.
159. FLEGEL, H., G. BENDER, & M. BERGENER. Klinisch-mathematischer Vergleich psychotroper Atzneimittel. [Clinico-Mathematical Comparison of Psychotropic Drugs--an Example for the Application of a Large Electronic Computer in Pharmaco-Psychiatry]. Meth. Inform. Med., 4 (Sept. 1965) 125-129.
160. FLEISHER, A., et al. An Optically Accessed Memory Using the Lippman Process for Information Storage. In: Tippett, James T., et al (eds.) Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass., and London, 1965, p. 1-30.
161. FORMAN, BARRY. An Experiment in Semantic Classification. Linguistics Research Center, Univ. of Texas, Austin, Dec. 1965, 27 p. Report no. ILC-65-WT-3 (AD-627 789).

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-18-

TM-3008/001/00

162. FORSCHER, BERNARD K. Rules for Referees. Science, 150 (1965) 319-321.
(FOSKETT, D. J. see Ref. 103 i)
163. FOSSUM, EARL G. & GILBERT KASKEY. Optimization and Standardization of Information Retrieval Language and Systems, Final Report. UNIVAC, Blue Bell, Pa., 28 Jan. 1966, 95 p. (AD-630 797).
164. FRANCO, A. G., N. MARCHAND, & L. J. SAPORTA. Error-Control Systems get the Message Across. Electronics, 38:23 (1965) 125-136.
165. FRANK, W. L. On-Line CRT Displays: User Technology and Software. In: Burgess, E. (ed.) On-Line Computing Systems. American Data Processing, Inc., Detroit, Mich., 1965, p. 50-62.
166. FRANKS, E. W. A Data Management System for Time-Shared File Processing Using a Cross-Index File and Self-Defining Entries. System Development Corp., Santa Monica, Calif., 21 Apr. 1966, 17 p. (SP-2248).
167. FRISTOE, ASHBY, J. The Bitter End. Libr. Resour. Tech. Serv., 10 (Winter 1966) 91-94.
168. FRY, B. M. The U.S. Clearinghouse for Federal Scientific and Technical Information. Percolator, 40 (July 1965) 51-54.
169. FUCHS, G. Das Problem der Klinischen Befundokumentation in der Sicht der mathematischen Logik. [The Problem of Clinical Data Processing in the View of Mathematical Logic]. Meth. Inform. Med., 4 (Sept. 1965) 130-134.
170. GAINES, R. S. & C. Y. LEE. An Improved Cell Memory. IEEE Trans. Electron. Comput., EC-14 (1965) 72-75.
(GALENTINE, PAUL G., JR. see Ref. 47 c)
171. GARFIELD, EUGENE. Science Citation Index--Answers to Frequently Asked Questions. Rev. Int. Doc., 32 (Aug. 1965) 112-116.
(GARFIELD, EUGENE see also Ref. 417 r)
172. GARVEY, CATHERINE & EUGENE H. ROCKLYN. Development and Evaluation of a Tactical Mandarin Chinese Language Course. Technical Report. Human Resources Research Office, George Washington Univ., Alexandria, Va., Dec. 1965, 49 p. Report no. TR-65-15 (AD-629 444).

173. GARVIN, PAUL L. Fulcrum Technique for Chinese-English Machine Translation. Final Report, 1 July 1964-30 June 1965. Bunker-Ramo Corp., Canoga Park, Calif., Jan. 1966, 177 p. RADC TR-65-340 (AD-627 763).
174. GARVIN, PAUL L. An Informal Survey of Modern Linguistics. Amer. Doc., 16 (Oct. 1965) 291-298.
175. GARVIN, PAUL L. A Syntactic Analyzer Study. Final Report, 1 July 1964-30 June 1965. Bunker-Ramo Corp., Canoga Park, Calif., Dec. 1965, 187 p. RADC TR-65-309. (AD-626 480).
176. GARVIN, PAUL L., JOCELYN BREWER, & MADELINE MATHIOT. Prediction-Typing-A Pilot Study in Semantic Analysis. Bunker-Ramo Corp., Canoga Park, Calif., Jan. 1966, 88 p.
177. GELBERG, ALAN. Rapid Structure Searches via Permuted Chemical Line Notations. IV: A Reactant Index. J. Chem. Doc., 6 (Feb. 1966) 60-61.
178. GENERAL ELECTRIC CO. TECHNICAL MILITARY PLANNING OPERATION (TEMPO).
1. The Deacon Project, Final Report 65 TMP-69. 2. Phrase-Structure Oriented Target Query Language, Final Report, Vol. 1 and 2, 65 TMP-64. Santa Barbara, Calif., Sept. 1965.
179. GEROULD, ALBERT C. The Purpose of a Charging System. Drexel Libr. Quart., 1 (July 1965) 3-5.
180. Gesambericht Über die Sitzungen der Arbeitsausschüsse in der Deutschen Gesellschaft für Dokumentation e V. (DGD) in Konstanz am Bodensee, Staatstechnikum, am 27. September 1965. Nachr. Dok., 16 (Dec. 1965) 216-223.
181. GIBSON, ELEANOR B. & E. W. TAPIA (eds.) Guide to Metallurgical Information. 2nd edition. Special Libraries Ass., New York, 1965, 240 p. (SIA Bibliography No. 3).
182. GILMORE, JOHN T., JR., FRANK S. GREATOREX, JR., & EDWARD N. CHASE. Research on Advanced Dynamic Attribute Extraction Techniques. Final Report, Apr. 1962-May 1965. Charles W. Adams Associates, Inc., Cambridge, Mass., 31 July 1965, 54 p. AFCL 65-736 (AD-625 181).
183. GINSBURG, SEYMOUR. Algorithmic Languages Project. Final Report, 12 Oct. 1964-30 June 1965. System Development Corp., Santa Monica, Calif., 7 Sept. 1965, 11 p. (Report no. TM-738/017/00) AFCRL 65-797. (AD-624 940).

184. GINSBURG, SEYMOUR & SHEILA GREIBACH. Deterministic Context Free Languages. System Development Corp., Santa Monica, Calif., 7 May 1965, 47 p. (TM-738/014/00) AFCRL 65-415 (AD-624 938).
185. GINSBURG, SEYMOUR & SHEILA GREIBACH. Mappings which Preserve Context Sensitive Languages. System Development Corp., Santa Monica, Calif., 27 Oct. 1965, 32 p. (TM-738/018/00) AFCRL 66-62 (AD-629 309).
(GIULIANO, VINCENT E. see Refs. 417 d & 417 bb)
186. GIVE'ON, YEHOSHAFAT. A Homomorphic Theory of Context-Free Languages and Its Generalizations; Technical Report. Communications Sciences Program, Univ. of Michigan, Ann Arbor, Mich., Sept. 1965, 23 p. (AD-623 002).
187. GLASERSFELD, E. von, et al. Automatic English Sentence Analysis. IDAMI Language Research Section, Istituto Documentazione della Associazione Meccanica Italiana, Milan, Italy, 1965. AFOSR 65-1908.
188. GORN, SAUL. The Individual and Political Life of Information Systems. In: Heilprin, L. B., B. E. Markuson, & F. L. Goodman (eds.) Proceedings of the Symposium on Education for Information Science, Warrenton, Virginia, September 7-10, 1965. Spartan Books, Washington, D.C., and Macmillan Co., Ltd., London, 1965, p. 33-40.
189. GOSNELL, CHARLES FRANCIS. Copying Grab Bag: Observations on the New Copyright Legislation. ALA Bull., 64 (Jan. 1966) 46-55.
190. GRANT, E. E. The LUCID User's Manual. System Development Corp., Santa Monica, Calif., 10 June 1965, 69 p. Report no. TM-2354/001/00.
191. Grant is Made to Library of Congress in Behalf of the Federal Library Committee. Recent Developments CLR (Council on Library Resources), no. 176, 16 Jan. 1966, 2 p.
192. Grant Made to Inter-Library Metropolitan New York Agency Working Toward Betterment of Reference, Research Service. Recent Developments CLR (Council on Library Resources), no. 185, 3 Mar. 1966, 2 p.
193. Grant to Aid Library Work and Documentation Committee of American Standards Association. Recent Developments CLR (Council on Library Resources), no. 177, 20 Jan. 1966, 1 p.
194. Grant to Library of Congress Will Prepare Way for Test Distribution of Machine-Readable Cataloging Information to Other Libraries in Fall. Recent Developments CLR (Council on Library Resources), no. 179, 21 Jan. 1966, 2 p.

195. GRAY, STEPHEN B. A Computer Time-Shared Display. Inform. Display, 3 (Jan/Feb. 1966) 50-51.
196. GREANIAS, E. C. The Computer in Medicine. Datamation, 11 (Dec. 1965) 25-28.
197. GREAT BRITAIN ADVISORY COUNCIL ON SCIENTIFIC POLICY. Survey of Information Needs of Physicists and Chemists. J. Doc., 21 (June 1965) 83-112.
198. GREENBERGER, M., et al. On-Line Computation and Simulation; the OPS-3 System. MIT Press, Cambridge, Mass., 1965.
199. GREENBERGER, M. The Priority Problem, Project MAC Technical Report MAC-TR-21. Massachusetts Institute of Technology, Cambridge, Mass., 1965.
200. GREENBERGER, M. The Two Sides of Time-Sharing. Datamation, 11 (Nov. 1965) 33-36.
201. GREENLY, R. B., K. K. MAASS, J. W. MEYER, & S. A. MICHALIK. Universal Print Reader Techniques. Link Group, General Precision, Inc., Binghamton, N.Y., Oct. 1965, 109 p. Report no. 634. RADC, TDR-64-374V1. (AD-623 613).
202. GREENLY, R. B., K. K. MAASS, J. W. MEYER, & S. A. MICHALIK. Universal Print Reader Techniques. Link Group, General Precision, Inc., Binghamton, N.Y., Oct. 1965, 368 p. RADC, TDR-64-374V2. (AD-623 614).
203. GREENLY, R. B., K. K. MAASS, J. W. MEYER, & S. A. MICHALIK. Universal Print Reader Techniques. Link Group, General Precision, Inc., Binghamton, N.Y., Oct. 1965, 99 p. RADC, TDR-64-374V3. (AD-623 621).
204. GRIFFIN, HILLIS L. Compatibility of Computer Input and Programs. Spec. Libr., 56 (Dec. 1965) 700-704.
205. GRIFFIN, HILLIS L. Computer Programming for Library Applications. Southeast. Libr., 15 (Fall 1965) 130-136.
206. GRIFFITH, BELVER C. & WILLIAM D. GARVEY. The National Scientific Meeting in Psychology as a Changing Social System. Amer. Behav. Sci., 9 (Feb. 1966) 3-8.

207. GRIMES, FRED M. & RONALD E. OTTO. A Study of Some Software Parameters in Time-Sharing Systems. Thesis (M.S.,) Naval Postgraduate School, Monterey, Calif., 1965, 147 p.
208. GUHA, B., A. K. GUPTA, A. JOSEPH, & M. L. KACHROO. Scattering of Articles by Indian Authors in Foreign Periodicals. Ann. Libr. Sci. Doc., 12 (June 1965) 76-86.
209. Guidelines for Centralized Technical Services. Libr. Resour. Tech. Serv., 10 (Spring 1966) 233-240.
210. HAGER, GEORGE P. A Network of Chemical Information Handling. J. Chem. Doc., 6 (Feb. 1966) 7-9.
(HAMMOND, WILLIAM see Ref. 417 z)
211. HARPER, KENNETH E. Studies in Inter-Sentence Connection. RAND Corp., Santa Monica, Calif., Dec. 1965, 21 p. Report no. RM-4828-PR (AD-626' 572).
(HARRIS, G. EDWARD see Ref. 103 b)
212. HARVARD UNIVERSITY. HARVARD CENTER FOR COGNITIVE STUDIES. 5th Annual Report. Cambridge, Mass., 1965.
213. HARVEY, JOHN F. How to Analyze a Charging System. Drexel Libr. Quart., 1 (July 1965) 6-11.
214. HATSUKADE, I. The Special Libraries Association in Japan. Spec. Libr., 57 (Jan. 1966) 51-52.
215. HAVLIK, ROBERT J. Government and Libraries. Spec. Libr., 56 (Dec. 1965) 727-728.
216. HAVLIK, ROBERT J. Government and Libraries. Spec. Libr., 57 (Feb. 1966) 122.
217. HAVLIK, ROBERT J. The Role of Special Libraries in the United States. Spec. Libr., 57 (Apr. 1966) 236-237.
(HAYES, ROBERT M. see Ref. 417 L)
218. HAYES, ROBERT M., RALPH M. SHOFFNER, & DAVID C. WEBER. The Economics of Book Catalog Production. Libr. Resour. Tech. Serv., 10 (Winter 1966) 57-90.

219. HAYS, DAVID G. An Annotated Bibliography of Publications on Dependency Theory. RAND Corp., Santa Monica, Calif., Mar. 1965, 22 p. Report no. RM-4479-PR (AD-613 469).
220. HAYS, DAVID G. Computational Linguistics: Bibliography, 1965. RAND Corp., Santa Monica, Calif., Apr. 1966, 81 p. Report no. RM-4986-PR (AD-630 985).
221. HECKMAN, RALPH PAUL. A Method for Investigating the Behavior of Attributes which Belong to Information Storage and Retrieval Systems. Thesis (M.S.). Georgia Institute of Technology, Atlanta, Ga., Aug. 1965, 89 p. (AD-624 658).
222. HEILPRIN, LAURENCE. Education for Information Science: Review and Orientation--Opening Remarks. In: Heilprin, L. B., B. E. Markuson, & F. L. Goodman (eds.) Proceedings of the Symposium on Education for Information Science, Warrenton, Virginia, September 7-10, 1965. Spartan Books, Washington, D.C., and Macmillan and Co., Ltd., London, 1965, p. vii-xiv.
223. HENDERSON, MADELINE M. Tentative Bibliography on Evaluation of Information Systems. National Bureau of Standards, Research Information Center and Advisory Service on Information Processing, Washington, D.C., 1 July 1965.
224. HERDAN, G. Quantitative Linguistics. Butterworth Inc., Washington, D.C., 1965, 300 p.
225. HINDE, P. T. Using Edge-Notched Cards for Personal Interest Literature Files. J. Chem. Educ., 42 (Oct. 1965) 566-569.
226. HINES, THEODORE C. A Computer Code for Alphabetizing. Indexer, 5 (Spring 1966) 23-26.
227. HINES, THEODORE C. & JESSICA L. HARRIS. Computer Filing of Index, Bibliographic, and Catalog Entries. School of Library Service, Columbia Univ., New York, 1965, 6 parts.
228. HIRAYAMA, KENZO & TOSHIAKI TABUCHI. Languages Used in the Publication of Chemical Papers. Fuji Photo Film Research Labs., Kanagawa, Japan, 1965, 10 p. (Unpub.).
229. HO, C. Y., H. P. DOMABYL, & W. C. NAYLOR. Optical Flux Analysis in a Cathode Ray Tube Scanner System. Appl. Opt., 4 (1965) 373-377.
(HOBBS, L. C. see Ref. 47 e)

231. HOLMEN, MILTON G. The Management of Programmed Research. System Development Corp., Santa Monica, Calif., 9 Feb. 1966, 10 p. (SP-2355).
231. HOLST, W. An Integrated System for Mechanical Dissemination of Scientific and Technical Information. Rev. Int. Doc., 32 (Aug. 1965) 107-111.
232. HOLT, ANATOL W., et al. η -Theory; A Mathematical Method for the Description and Analysis of Discrete, Finite Information Systems. Information System Theory Project, Applied Data Research, Inc., Princeton, N.J., Aug. 1965, 300 p.
233. HOOKWAY, H. T. The Office for Scientific and Technical Information. Nature, 207 (17 July 1965) 234-236.
234. HOSHOVSKY, A. G. Suggested Criteria for Titles, Abstracts, and Index Terms in DoD Technical Reports. Office of Aerospace Research, Office of Scientific and Technical Information, Washington, D.C., Oct. 1965, 25 p. OAR, 65-9 (AD-622 944).
235. HOSHOVSKY, A. G. & H. H. ALBUM. Toward a National Technical Information System. Amer. Doc., 16 (Oct. 1965) 313-322.
236. HOWARD, PAUL. Government and Libraries--The Federal Library Committee. Spec. Libr., 57 (Jan. 1966) 50.
237. HUANG, T. S. & O. J. TRETIAK. Research in Picture Processing. In: Tippett, James T., et al (eds.). Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass., and London, 1965, p. 45-57.
238. HUFF, WILLIAM H. Some Aspects of Serials Work in 1965. Libr. Resour. Tech. Serv., 10 (Spring 1966) 176-198.
239. HUSKEY, H. D. On-Line Computing Systems: A Summary. In: Burgess, E. (ed.). On-Line Computing Systems. American Data Processing, Inc., Detroit, Mich., 1965, p. 139-142.
240. HYSLOP, MARJORIE R. Sharing Vocabulary Control. Spec. Libr., 56 (Dec. 1965) 708-714.
241. INTERNATIONAL BUSINESS MACHINES CORPORATION. Generalized Information System Application Description. IBM Corp., Technical Publications Dept., White Plains, N.Y., 1965, 42 p.

242. INTERNATIONAL BUSINESS MACHINES CORPORATION. The IBM 870 Library Administrative Processing System for Federal Government Libraries and Special Information Repositories. IBM Corp., Data Processing Div., White Plains, N.Y., 1965, 32 p. (E-50-0029-0).

243. INTERNATIONAL BUSINESS MACHINES CORPORATION. Report of a Pilot Project for Converting the Pre-1952 National Union Catalog to a Machine Readable Record. A Study sponsored by the Council on Library Resources, Inc. Federal System Div., International Business Machines Corp., Rockville, Md.

244. International Micrographic Congress Plans Guide to Foreign Made Microfilm Equipment. Recent Developments CLR (Council on Library Resources), no. 183, 27 Feb. 1966, 1 p.

245. ISAAC, A. M. Structure, Validity and Prospects of Classification Schemes. Ann. Libr. Sci. Doc., (June 1965) 53-75.

246. ISTITUTO DOCUMENTAZIONE DELLA ASSOCIAZIONE MECCANICA ITALIANA (IDAMI). LANGUAGE RESEARCH SECTION. Automatic English Sentence Analysis. Final scientific report for 1 Mar. 1964-30 June 1965. Milan, Italy, 30 June 1965, 113 p. (AD-622 570).

247. JAHODA, G., RONALD D. HUTCHINS, & ROBERT R. CALFORD. Characteristics and Use of Personal Indexes Maintained by Scientists and Engineers in One University. Amer. Doc., 17 (Apr. 1966) 71-75.

248. JAIN, A. K. Sampling and Short-Period Usage in the Purdue Library. Coll. Res. Libr., 27 (May 1966) 211-218.

249. JAKUBÍČEK, MILAN. Koordinace Knihovnické Práce Jako Nutnost. [Need for Co-ordinating Library Work]. Knihovník (Prague), 10:2 (1965) 48-52.

250. JAMES, BEATRICE. Gaylord Charging System. Drexel Libr. Quart., 1 (July 1965) 18-20.

251. JAMES, RICHARD T. High-Speed Information Channels. IEEE Spectrum, 3 (Apr. 1966) 79-82, 87-95.

252. JENKINS, J. E. & W. T. HERZOG. A Matrix for Evaluating Information System Operation. Amer. Doc., 17 (Apr. 1966) 103-106.

253. JONES, ARTHUR E. Sharing Communications Networks. Spec. Libr., 56 (Dec. 1965) 705-707.

(JONES, PAUL E. see Ref. 417 a)

254. KAGER, JOHN. Sysdac Charging System. Drexel Libr. Quart., 1 (July 1965) 20-21.
255. KAPLOW, R., S. STRONG, & J. BRACKETT. NAP: A System for On-Line Mathematical Analysis; MAC Report MAC-TR-24. Massachusetts Institute of Technology, Cambridge, Mass., Jan. 1965, 103 p.
256. KASHER, ASA. Data-Retrieval by Computer; a Critical Survey. Hebrew Univ., Jerusalem, Israel, Jan. 1966, 72 p. (Technical Report No. 22 to Office of Naval Research, Information Systems Branch).
257. KATZ, JERROLD J. Symposium: Philosophy and Linguistics. The Relevance of Linguistics to Philosophy. J. Philos., (1965) 590-602.
258. KAY, MARTIN, FREDERICK VALADEZ, & THEODORE ZIEHE. The Catalog Input/Output System. RAND Corp., Santa Monica, Calif., Mar. 1966, 71 p. Report no. RM-4540-PR (AD-629 606).
259. KELLOGG, CHARLES H. An Approach to the On-Line Interrogation of Structured Files of Facts Using Natural Language. System Development Corp., Santa Monica, Calif., 29 Apr. 1966, 86 p. (SP-2431/000/00).
260. KERTESZ, FRANCOIS. Obstacles Facing the Government Contractor's Librarian. Sci-Tech News, 20 (Spring 1966) 7-11.
261. KERTESZ, FRANCOIS. The Role of Information Centers; Evaluation of Their Effectiveness. Oak Ridge National Lab., Oak Ridge, Tenn., 17 Nov. 1965, 11 p. (Report no. ORNL-TM-1339).
262. KERTESZ, FRANCOIS. Talks Presented at Recent Meetings on Information Problems. Oak Ridge National Lab., Oak Ridge, Tenn., 12 Aug. 1965, 40 p. (Report no. ORNL-TM-1230).
(KESSLER, M. M. see Ref. 417 s)
263. KIEFFER, PAULA. The Baltimore County Public Library Book Catalog. Libr. Resour. Tech. Serv., 10 (Spring 1966) 133-141.
264. KIERSKY, LORETTA J. Bibliography on Documentary Information, 1965. Spec. Libr., 57 (May-June 1966) 311-322.

265. KIERSKY, LORETTA J. Developments in Document Reproduction. Spec. Libr., 57 (Feb. 1966) 117-118.
266. KINDER, KATHARINE L. Conference on the Present Status and Future Prospects of Reference/Information Service. Spec. Libr., 57 (May-June 1966) 341-342.
267. KING, JACK. The Pamphlet in the University Library. Libr. Resour. Tech. Serv., 10 (Winter 1966) 51-56.
268. KLEINMUNTZ, B. Clinical Information Processing. Datamation, 11 (Dec. 1965) 41-49.
269. KNOX, WILLIAM T. The Government Makes Plans. Phys. Today, 19 (Jan. 1966) 39-44.
270. KRUG, JUDITH FINGERT. ALA Library Research Clearinghouse. ALA Bull., 60 (Jan. 1966) 72.
(KUHNS, J. L. see Ref. 417 e)
271. KULKARNI, J. M. Automatic Document Classification in Information Retrieval System. Herald Libr. Sci., 4 (Apr. 1965) 140-148.
272. KUNYEY, J. H., B. G. LAZORCHAK, & S. W. WALCAVICH. Computer-Aided Typesetting for the "Journal of Chemical Documentation." J. Chem. Doc., 6 (Feb. 1966) 1-2.
273. KURTZ, ELAINE AUSTIN. Round Table on International Cooperation for Library and Information Services in Latin America. Spec. Libr., 56 (Nov. 1965) 667-668.
274. LaHOOD, CHARLES G., JR. The Serial Microfilm Program at the Library of Congress. Libr. Resour. Tech. Serv., 10 (Spring 1966) 241-248.
275. LANCASTER, F. W. Evaluation of Systems by Comparison Testing. Coll. Res. Libr., 27 (May 1966) 219-221.
276. LANG, C. A. New B-Core System for Programming the ESL Display Console. Electronic Systems Lab., Massachusetts Institute of Technology, Cambridge, Mass., Apr. 1965. (Memorandum 9442-M-122).
277. LANG, C. A. R. B. POLANSKY, & D. T. ROSS. Some Experiments with an Algorithmic Graphical Language. Massachusetts Institute of Technology, Cambridge, Mass., Aug. 1965, 55 p. (Report no. ESL-TM-220).

278. LANGEFORS, B. State of the Art in Sweden. Data Process. Mag., 7:5 (1965) 30-31.
279. LEIMKUHLER, FERDINAND F. System Analysis in University Libraries. Coll. Res. Libr., 27 (Jan. 1966) 13-18.
280. LEITH, E. N., A. KOZMA & J. UPATNIEKS. Coherent Optical Systems for Data Processing, Spatial Filtering, and Wavefront Reconstruction. In: Tippett, James T., et al. (eds.). Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass. and London, 1965, p. 143-158.
281. LEVIEN, ROGER & M. E. MARON. Relational Data File: A Tool for Mechanized Inference Execution and Data Retrieval. RAND Corp., Santa Monica, Calif., Dec. 1965, 100 p. Report no. rm-4793-PR (AD-625 409).
282. LEVITT, DONALD G. Drug Monitoring System. J. Chem. Doc., 6 (Feb. 1966) 34-37.
283. LEVY, FRANCES. Some Applications of New Documentary Techniques in France. Bull. Bibl. Fr., 10 (June 1965) 193-231.
284. LEWIS, JOHN R. Drug Information Handling by the American Medical Association. J. Chem. Doc., 5 (Nov. 1965) 258-265.
285. LEWIS, P. A. W., P. BAXENDALE, & J. L. BENNETT. Statistical Discrimination of the Synonymy/Antonymy Relationship between Words. International Business Machines Corp., Research Lab., San Jose, Calif., Nov. 1965, 33 p.
286. Library Manpower Study. Spec. Libr., 57 (Apr. 1966) 258.
287. Library Service Integrated in a Broad Communications System Envisioned for Maryland Community of Tomorrow. Recent Developments CLR (Council on Library Resources), no. 173, 26 Dec. 1965, 2 p.
288. Library Technology Project Plans Program in Field of Documentary Reproduction with Aid of New Grant. Recent Developments CLR (Council on Library Resources), no. 186, 8 Apr. 1966, 2 p.
289. LIGHTWOOD, MARTHA. Corporation Documents--Sources of Business History. Spec. Libr., 57 (May-June 1966) 336-337.

290. LILLY, ROY S. A Developmental Study of the Semantic Differential. Princeton Univ., Princeton, N. J., Aug. 1965, 102 p. Report no. rb-65-29 (AD-625 403).
291. LINDEBERG, DONALD A. B. Electronic Processing and Transmission of Clinical Laboratory Data. Missouri Med., 62 (1965) 296-302.
292. LINDEBERG, DONALD A. B., HUBERT J. VAN PEENEN, & REX D. COUCH. Patterns in Clinical Chemistry. Amer. J. Pathol., 44 (1965) 315-321.
293. LINDELOF, KERSTIN. Ringdoc: Branschdokumentation för Läkemedelsindustrin. [Ringdoc: Trade Documentation for the Pharmaceutical Industry]. Tidschr. Dok. (Sweden), 21:2 (1965) 17-20.
294. LINDER, L. H. Comparative Costs of Document Indexing and Book Cataloging. Spec. Libr., 56 (Dec. 1965) 724-726.
295. LINDGREN, NILO. Human Factors in Engineering. Part I--Man in the Man-Made Environment. IEEE Spectrum, 3 (Mar. 1966) 132-139.
296. LINDGREN, NILO. Human Factors in Engineering. Part II--Advanced Man-Machine Systems and Concepts. IEEE Spectrum, 3 (Apr. 1966) 62-72.
297. LIPETZ, BEN-AMI. Some Infract, Mire on Facts. Amer. Doc., 16 (Oct. 1965) 338-339.
298. LITTLE (ARTHUR D.) INC. An Evaluation of Machine-Aided Translation Activity at FTD. Cambridge, Mass., 1 May 1965.
299. LOUKOPOULOS, LOUKAS. Indexing Problems and Some of Their Solutions. Amer. Doc., 17 (Jan. 1966) 17-25.
300. LOVE, H. H. & D. A. SAVITT. Associative Processing Techniques Study. Hughes Aircraft Co., Fullerton, Calif., Apr. 1965, 163 p Report no. RADC-TR-65-32 (AD-616 620).
301. LUNDSTEDT, SVEN. Information Retrieval and Psychological Research. J. Psychol., 61 (Sept. 1965) 81-86.
302. LUNIN, LOIS F. Trace Metals, Radiobiology, and Cancer Information Retrieval System (TRACIRS). Meth. Inform. Med., 4 (Sept. 1965) 120-125.
303. LUSTIG, H. A. Printout on Film from Bit to Micro-Image. Bus. Autom., 12:10 (1965) 37-42.

1 July 1966

-3-

TM-3008/001/00

304. MCGAW, HOWARD F. Academic Libraries Using the LC Classification System. Coll. Res. Libr., 27 (Jan. 1966) 31-36.
305. McNEILL, DAVID. Speaking of Space. Science, 152 (13 May 1966) 875-890.
306. MAKAPOK, STANLEY. A Comparison of Two Methods of Building an Information Retrieval System Dictionary. Comput. Data Process. News, 2 (Feb.-Mar. 1965) 14-15.
307. MARCUS, RICHARD, RICHARD LIBBY, & PHILLIP NOVIER. Russian Stenotype Equipment. Vol. 1: Russian Stenotype Systems Codes, Computer Systems, and Training. Final Report, vol. 1, Oct. 1963-Sept. 1965. Itek Corp., Waltham, Mass., Jan. 1966, 79 p. RADC TR-65-329-Vol-1 (AD-629 692).
308. MARCUS, RICHARD, RICHARD LIBBY, & PHILLIP NOVIER. Russian Stenotype Equipment. Vol. 2: Russian Stenotype Terminal Equipment and Input Multiplexing. Final Report, vol. 2. Itek Corp., Waltham, Mass., Jan. 1966, 45 p. RADC TR-65-329-Vol-2 (AD-629 693).
309. MARCUS, RICHARD, RICHARD LIBBY, & PHILLIP NOVIER. Russian Stenotype Equipment. Vol. 3: Russian Stenotype Training and Evaluation Machine. Final Report, vol. 3. Itek Corp., Waltham, Mass., Jan. 1966, 33 p. RADC TR-65-329-Vol-3 (AD-629 694).
310. MARCUS, RICHARD, RICHARD LIBBY, & PHILLIP NOVIER. Russian Stenotype Equipment. Vol. 4: Instructor's Training Manual for Russian Stenotype. Final Report, vol. 4. Itek Corp., Waltham, Mass., Jan. 1966, 96 p. RADC TR-65-329-Vol-4 (AD-629 695).
311. MARDEN, ETHEL C. HAYSTAQ, a Mechanized System for Searching Chemical Information. National Bureau of Standards, Washington, D.C., Sept. 1965, 58 p. (NBS Technical note 264).
312. MARKUS, JOHN. State of the Art of Computers in Commercial Publishing. Amer. Doc., 17 (Apr. 1966) 76-88.
(MARON, M. E. see Ref. 417 b)
313. MARON, M. E. & ROGER LEVIEN. Relational Data File: A Tool for Mechanized Inference Execution and Data Retrieval. RAND Corp., Santa Monica, Calif., Dec. 1965, 89 p. (Report no. RM-4793-PR)
314. MARRON, HARVEY & MARTIN SNYDERMAN, JR. Cost Distribution and Analysis in Computer Storage and Retrieval. Amer. Doc., 17 (Apr. 1966) 89-95.

1 July 1966

-31-

TM-3008/001/1

315. MARTHALER, MARC P. ISIS, Integrated Scientific Information Service Progress Report. Document Analysis and System Development Section I.L.O's Central Library and Documentation Branch, Geneva, Switzerland, June 1965, 36 p.
316. MARTINS, G. R. & S. B. SMITH. A Parsing Procedure for a Vector Symbol Phrase Grammar of Russian. Progress Report No. 12, NSF Contract C-372, Computer Aided Research in Machine Translation D-199. Bunker-Ramo Corp., Canoga Park, Calif., Dec. 1965.
317. MARTYN, JOHN. Citation Indexing. Indexer, 5 (Spring 1966) 5-15.
318. MASSACHUSETTS GENERAL HOSPITAL. Hospital Computer Project, Status Report 1965, Memorandum 8. Boston, Mass., 25 Jan. 1965, 64 p.
319. MATTHEWS, F. W. The Computer as an Aid to Information Retrieval. Chem. Can., 17 (Oct. 1965) 42-45.
320. MAYER, STEVEN E. A Model for the Description of Information Retrieval Systems. Preliminary Report 2. Human Sciences Research, Inc., McLean, Va., Dec. 1965.
321. MAZZARESE, N. J. Experimental System Provides Flexibility and Continuity. Data Process. Mag., 7:5 (1965) 68-70.
322. MEAKIN, A. O. The Production of a Printed Union Catalogue by Computer. Libr. Ass. Rec., 67 (Sept. 1965) 311-316.
323. MEDLARS in Operation. Libr. J., 90 (15 Mar. 1965) 1218.
324. MERZ, OTTO. Die Dokumentation in der Sicht der Benutzer am Beispiel der Maschineindustrie. Nachr. Dok., 16 (Dec. 1965) 193-195.
325. MEYER-UHLENRIED, K. H. Ein Integriertes, Automatisiertes Dokumentationssystem. [An Integrated Automated Documentation System]. Rev. Int. Doc., 32 (Aug. 1965) 99-105.
326. MIKHAYLOV, A. I., A. I. CHERNYI, & R. S. GILYAREV. Organization of Scientific and Technical Information in the Communist World. Aerospace Technology Div., Library of Congress, Washington, D.C., 24 Jan. 1966, 97 p. Report no. ATD-66-11. TT 66-60478 (AD-627 802). Translation of monograph: Osnovy Nauchnoi Informatsii, Moscow, 1965, 656 p. Report on Surveys of Communist World Scientific and Technical Literature.

327. MILLER, E. F., B. W. LEE, & J. D. NILSSON. Automated Book Ordering and Receiving. Spec. Libr., 57 (Feb. 1966) 96-100.
328. MILLER, G. A. Some Preliminaries to Psycholinguistics. Amer. Psychol., 20 (1965) 15-20.
329. MILTON, HELEN S. Cost-of-Research Index. Research Analysis Corp., McLean, Va., Mar. 1966, 25 p. Report no. rac-TP-209 (AD-629 700).
330. MONTILLON, GEORGE D. A Computer User-Oriented System. Comm. ACM, 8 (Feb. 1965) 117-124.
331. MOOERS, CALVIN N. TRAC, a Procedure-Describing Language for the Reactive Typewriter. Comm. ACM, 9 (Mar. 1966) 215-219.
332. MOON, ERIC. RTSD and the Big Wide World. Libr. Resour. Tech. Serv., 10 (Winter 1966) 5-12.
333. MUCCIARDI, A. N. & E. E. GOSE. Evolutionary Pattern Recognition in Incomplete Nonlinear Multithreshold Networks. IEEE Trans. Electron. Comput., EC-15 (Apr. 1966) 257-261.
334. MURRAY, HUBERT, JR. Methods for Satisfying the Needs of the Scientist and the Engineer for Scientific and Technical Information. Redstone Scientific Information Center, Redstone Arsenal, Ala., 11 Jan. 1966, 19 p. Report no. RSIC-510 (AD-627 845).
335. MYATT, D. O. & V. C. SEARLE. Air Pollution Technical Information Survey. Final Report, Contract PH 86-65-13. Science Communication, Inc., Washington, D.C., 26 Apr. 1965, 62 p. (PB 167 695)
336. NATIONAL ACADEMY OF SCIENCES--NATIONAL RESEARCH COUNCIL. Survey of European Non-Conventional Chemical Notation Systems. Publication 1278. Washington, D.C., 1965.
337. NATIONAL SCIENCE FOUNDATION. Summary of Study Conference on Evaluation of Document Searching Systems and Procedures, 2 and 3 Oct. 1964. Washington, D.C., 1965, 36 p.
338. NATIONAL SCIENCE FOUNDATION. ADVANCED SCIENCE EDUCATION PROGRAM. Suggestions for Preparation of Proposals. Revised. Washington, D.C., 1966.

339. NAVY DEPARTMENT. OFFICE OF NAVAL RESEARCH. Directory of Department of Defense Information Analysis Centers. Report no. ONP-23. Washington, D.C., 1966, 30 p. (AD-628 895).
(NEEDHAM, ROGER M. see Ref. 417 j)

340. NELSON, GEORGE H. & DONALD M. HODGE. Biological Laboratories Communication. Army Biological Labs., Frederick, Md., Dec. 1965, 81 p. Report no. Miscellaneous Publication-13. (AD-625 712).

341. New Patent Subscription Service Now Available in Microfilm Form. Libr. J., 91 (1 Feb. 1966) 656.

342. OSSORIO, PETER G. Dissemination Research. Final Technical Report, July 1964-July 1965. Colorado Univ., Dept. of Psychology, Boulder, Dec. 1965, 75 p. RADC TR-65-314 (AD-625 905).

343. OTTEN, KLAUS W. Automatic Speech Recognition. National Cash Register Co., Dayton, Ohio, Sept. 1965, 11¹/₂ p. Report no. 33-IF. AL TR-65-205. (AD-471 649).

344. OVERHAGE, CARL F. J. Plans for Project Intrex. Science, 152 (20 May 1966) 103?-1037.
(PAGE, C. see Ref. 103 n)

345. PAGE, IRVINE H. Why Bibliography? [Letter]. Science, 149 (2 July 1965) 8.

346. PAISLEY, WILLIAM J. The Flow of (Behavioral) Science Information-A Review of the Research Literature. Institute for Communication Research, Stanford Univ., Palo Alto, Calif., Nov. 1965.

347. PARKER, D. B. Graphical Communication in an On-Line System. In: Burgess, E. (ed.). On-Line Computing Systems. American Data Processing, Inc., Detroit, Mich., 1965, p. 89-100.

348. PARKER, EDWIN B. The User's Place in an Information System. Amer. Doc., 17 (Jan. 1966) 26-27.

349. PARR, MARY Y. Newark and Detroit Charging Systems. Drexel Libr. Quart., 1 (July 1965) 12-16.

350. PATRICK, R. L. & M. A. ROCKWELL, JR. Patients On-Line. Datamation, 11 (Sept. 1965) 57-60.

351. PAYNE, AUBREY H. On Measuring the Value of Information, with Implications for Communications Systems. Institute of Naval Studies, Cambridge, Mass., Jan. 1965, 34 p. Report no. ins-Research-Contributed-10. (AD-624 785).
352. PFLUEGER, MARGARET L. & ELIZABETH M. WALKEY. SLA Translations Center: An International Resource. Spec. Libr., 57 (Jan. 1966) 35-38.
353. PIEZ, GLADYS T. Library Technology and RTSD--Goals in Common. Libr. Resour. Tech. Serv., 10 (Winter 1966) 13-17.
354. PIEZ, GLADYS T. LTP Reports to SLA. Spec. Libr., 57 (Jan. 1966) 54.
355. PIEZ, GLADYS T. LTP Reports to SLA. Spec. Libr., 57 (Apr. 1966) 246.
356. A Pilot Project for Converting National Union Catalog for Computer Processing is Described in Report by IBM. Recent Developments CLR (Council on Library Resources), no. 181, 27 Jan. 1966, 2 p.
357. PIZER, IRWIN H. A Mechanized Circulation System. Coll. Res. Libr., 27 (Jan. 1966) 5-12.
358. Plans for Study of Public Library Systems Announced by American Library Association. Recent Developments CLR (Council on Library Resources), no. 184, 27 Feb. 1966, 2 p.
359. The Plight of Library Services in Britain. Nature, 207 (18 Sept. 1965) 1221-1224.
360. POCOCK, PETER G. The COSATI Report: A Review. Spec. Libr., 57 (May-June 1966) 338-339.
361. Possible FID Documentalist Exchanges. Spec. Libr., 57 (Apr. 1966) 258.
362. POSTLEY, JOHN A. File Management: Generalized Application Programs. Informatics, Inc., Sherman Oaks, Calif., 1965, 13 p. (AIS-65-005).
(POSTLEY, JOHN A. see also Ref. 47 j)
363. PRATT, ALLAN D. Cutting Complexities with Occam's Razor. Spec. Libr., 57 (Feb. 1966) 91-95.
364. PRENTICE, DONALD D. The Combined File Search System. International Business Machines Corp., System Development Div., San Jose, Calif., 11 Mar. 1965, 15 p.
365. Deleted.

(PRICE, DEREK J. De SOLLA see Ref. 417 q)

366. Proceedings of the ACM Programming Languages and Pragmatics Conference, August 8-12, 1965, San Dimas, Calif. Comm. ACM, 9 (Mar. 1966) 137-232.
367. Project LEX Underway. Spec. Libr., 57 (Mar. 1966) 155.
368. FRYWES, N. S. Browsing in an Automated Library Through Remote Access. In: Sass, M. & W. Wilkinson (eds.) Computer Augmentation of Human Reasoning. Spartan Books, Washington, D.C., 1965, p. 105-130.
369. Publication of a "New Shaw" Announced by American Library Association. Recent Developments CLR (Council on Library Resources), no. 182 12 Feb. 1966, 2 p.
370. PUCINSKI, ROMAN C. One for the Record. Int. Sci. Technol., no. 54 (June 1966) 15-16.
371. QUILLIAN, R. Semantic Memory. Ph.D. thesis. Carnegie Institute of Technology, Pittsburgh, Pa., Feb. 1966.
372. RAFFEL, JACK I. Graphics. Semiannual technical summary report for 1 June-30 Nov. 1965. Lincoln Lab., Massachusetts Institute of Technology, Lexington, 30 Nov. 1965, 15 p. ESD TDR-65-561 (AD-625 567).
373. The RAND Symposium [Parts 1 & 2]. Datamation, 11 (Aug. 1965) 24-30; (Sept. 1965) 66-67, 69-73.
374. Rapid Generation of Images is Made Possible Electronically. IEEE Spectrum, 3 (Jan. 1966) 142.
375. REDMER, PAUL C. Publication by GRACE. Meth. Inform. Med., 4 (Sept. 1965) 145-150.
376. REICH, A. & G. H. DORION. Photochromic, High-Speed, Large Capacity, Semirandom Access Memory. In: Tippett, James T., et al. (eds). Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass. and London, 1965, p. 567-580.
377. REIMANN, O. A. On All-Optical Computer Techniques. In: Tippett, James T., et al. (eds.). Symposium on Optical and Electro-Optical Information Processing. Massachusetts Institute of Technology Press, Cambridge, Mass. and London, 1965, p. 247-252.

378. REITMAN, WALTER R. Cognition and Thought; An Information Processing Approach. Wiley, New York, 1965, 312 p.
379. REITZ, G., et al. Improved Syntactic Flow Charts: Research Output Format. Progress Report No. 9. Bunker-Ramo Corp., Canoga Park, Calif., Mar. 1965.
380. REITZ, G., et al. Stem-Affixing Procedures: A Test for Nouns. Bunker-Ramo Corp., Canoga Park, Calif., July 1965.
381. REPPE, KATHE, FIKENTSCHER, LOTTE, & GROBE WALTRAUD. Eine Schlitzlochkartei für Organisch-Chemische Verbindungen. Nachr. Dok., 17 (Mar. 1966) 32-38.
382. Republic Aviation to Explore Possibilities of Micro-Vue Information System for Library Work. Recent Developments CLR, (Council on Library Resources), no. 189, 6 May 1966, 2 p.
383. RICH, R. P. Information Handling. Meth. Inform. Med., 4 (Dec. 1965) 159-163.
384. RICHMOND, PHYLLIS A. Note on Updating and Searching Computerized Catalogs. Libr. Resour. Tech. Serv., 10 (Spring 1966) 155-160.
385. RICHMOND, PHYLLIS A. Systems Evaluation by Comparison Testing. Coll. Res. Libr., 27 (Jan. 1966) 23-30, 36.
386. RICKLI, ERNST. Die Dokumentation in der Schweiz in der Sicht der Schweizerischen Vereinigung für Dokumentation (SVD). Nachr. Dok., 16 (Dec. 1965) 188-193.
387. ROBINSON, CHARLES W. The Book Catalog: Diving In. Wilson Libr. Bull., 40 (Nov. 1965) 262-268.
388. ROBINSON, JANE J. The Transformation of Sentences for Information Retrieval. RAND Corp., Dec. 1965, 14 p. Report no. P-3243 (AD-624 890).
(ROBINSON, JOHN see Ref. 103 l)
389. ROSENBAUM, JOSEPH. A Report on the Current Status of Computer-Assisted Instruction (CAI) at Several Centers of Research in the United States. System Development Corp., Santa Monica, Calif., 10 Dec. 1965, 25 p. (TM-2752).
390. ROSENBLUM, RICHARD S., CURTIS P. McLAUGHLIN, & FRANCIS W. WOLEK. Technology Transfer and the Flow of Technical Information in a Large Industrial Corporation. Graduate School of Business Administration, Harvard Univ., Cambridge, Mass., Jan. 1966, 2 vol.

391. ROSENBLUM, RICHARD S. & FRANCIS W. WOLEK. Studies of the Flow of Technical Information--An Interim Report. Graduate School of Business Administration, Harvard Univ., Cambridge, Mass., Jan. 1966.
392. ROSENBLUM, MARCUS. On Speeding Scientific Reporting. Nat. Ass. Sci. Writers Newsletter, 13 (Dec. 1965) 13-14.
393. ROTHMAN, JOHN. Preserving the News That's Fit to Print. Indexer, 5 (Spring 1966) 39-42.
394. SALOMON, LOUIS B. Semantics and Common Sense. Holt, Rinehart and Winston, New York, 1966, 180 p.
395. SALTON, GERARD. Data Manipulation and Programming Problems in Automatic Information Retrieval. Comm. ACM, 9 (Mar. 1966) 204-210.
396. SALTON, GERARD. Information Dissemination and Publication Control. Comm. ACM, 9 (Apr. 1966) 254.
397. SALTON, GERARD. Toward a Publications Policy for ACM. Comm. ACM, 9 (Jan. 1966) 2.
(SALTON, GERARD see also Ref. 417 t)
398. SAMMET, JEAN E. The Use of English as a Programming Language. Comm. ACM, 9 (Mar. 1966) 228-230.
(SAVAGE, TERRY R. see Ref. 417 u)
399. SCHICK, FRANK L. The Status of Library Statistics in the United States Office of Education. Spec. Libr., 57 (Mar. 1966) 176-178.
400. SEARLE, VICTOR C. Air Pollution Technical Information Survey. Final Report, Contract PH 86-65-13. Science Communication, Inc., Washington, D.C., Apr. 1965.
401. Second Grant to Association of American Law Schools to Further Project for Improvement of Law Libraries. Recent Developments CLR (Council on Library Resources), no. 178, 20 Jan. 1966, 1 p.
402. The Second Symposium on Computer-Centered Data Base Systems. SDC Mag., 3 (Nov. 1965) 1-26.

403. SEDELOW, SALLY YEATES & TERRY RUGGLES. Updating of THESAUR Program. System Development Corp., Santa Monica, Calif., 17 Dec. 1965, 53 p. Report no. TM-1908/009/00 (AD-629 368).
(SEIDEL, MARK see Ref. 417 n)
(SEYER, B. see Ref. 103 m)

404. SHAPIRO, R.M. An Illustration of the Use of η -Theory. Information System Theory Project, Applied Data Research, Inc., Princeton, N.J., 12 July 1965, 20 p.

405. SHARR, F. A., VALARIE CREASEY, & C. L. DRAKE. The Production of a New Book-Type Catalogue in Australia. Libr. Resour. Tech. Serv., 10 (Spring 1966) 143-154.

406. SHAW, CHRISTOPHER J. Theory, Practice, and Trend in Business Programming. System Development Corp., Santa Monica, Calif., 1 July 1965, 18 p. (SP-2030/001/02).

407. SHERROD, JOHN. Ad-Hoc Forum for Information Center Administrators. Spec. Libr., 56 (Dec. 1965) 728.

408. SHILLAN, D. A Method and a Reason for Tune Analysis of Language. Cambridge Language Research Unit, Cambridge, England, Nov. 1965, (M.L. 179).

409. SHUEY, RICHARD L. Will There be a Profession of Information Engineering? Res. Lab. Bull. (General Electric Co.), Summer 1965, 22-23.

410. SILVEIRA, H. M. Tele-Processing Terminals Offer User Wide Range of Applications Ability. Data Process. Mag., 7:7 (1965) 36-39.

411. SIMON, H. & A. NEWELL. Heuristic Problem Solving by Computer. In: Sass, M. & W. Wilkinson (eds.) Computer Augmentation of Human Reasoning. Spartan Books, Washington, D.C., 1965, p. 25-35.

412. SOEKEN, GERTRUD. Internationale Tagung zur Dokumentation und Statistik Maligner Tumoren. Nachr. Dok., 16 (Dec. 1965) 223-226.

413. SPARCK JONES, K. Semantic Markers. Cambridge Language Research Unit, Cambridge, England, Nov., 1965. (M.L. 181).

414. SPECIAL LIBRARIES ASSOCIATION. GOVERNMENT INFORMATION SERVICES COMMITTEE. Users Look at Information Centers. Spec. Libr., 57 (Jan. 1966) 45-50.

415. STEGMAIER, ROBERT B., JR. The "L" Report. Sci-Tech News, 20 (Spring 1966) 16.
416. STERN, MICHAEL M. Control System for High-Speed Photocomposition. Comput. Design, 4 (Oct. 1965) 40+.
417. STEVENS, MARY ELIZABETH, VINCENT E. GIULIANO, & LAURENCE HEILPRIN. (eds.) Statistical Association Methods for Mechanized Documentation; Symposium Proceedings, Washington, 1964. U.S. Dept. of Commerce, National Bureau of Standards, Washington, D.C., 15 Dec. 1965, 261 p. (National Bureau of Standards Miscellaneous Publication 269) (GPO/\$2.75).
 - a. JONES, PAUL E. Historical Foundations of Research on Statistical Association Techniques for Mechanized Documentation, p. 3-8.
 - b. MARON, M. E. Mechanized Documentation: The Logic behind a Probabilistic Interpretation, p. 9-13.
 - c. DOYLE, LAUREN B. Some Compromises between Word Grouping and Document Grouping, p. 15-24.
 - d. GIULIANO, VINCENT E. The Interpretation of Word Associations, p. 25-32.
 - e. KUHNS, J. L. The Continuum of Coefficients of Association, p. 33-39.
 - f. EDMUNDSON, H. P. A Correlation Coefficient for Attributes or Events, p. 41-44.
 - g. SPIEGEL, JOSEPH & EDWARD BENNETT. A Modified Statistical Association Procedure for Automatic Document Content Analysis and Retrieval, p. 47-60.
 - h. DENNIS, SALLY F. The Construction of a Thesaurus Automatically from a Sample of Text, p. 61-148.
 - i. BAKER, FRANK B. Latent Class Analysis as an Association Model for Information Retrieval, p. 149-155.
 - j. NEEDHAM, ROGER M. Problems of Scale in Automatic Classification (abstract only), p. 157.
 - k. BARNES, ROBERT F., JR. A Nonlinear Variety of Iterative Association Coefficients, p. 159.

417. (Continued)

- l. HAYES, ROBERT M. The Measurement of Information from a File, p. 161-162.
- m. SWITZER, PAUL. Vector Images in Document Retrieval, p. 163-171.
- n. SEIDEL, MARK. Threaded Term Association Files, p. 173-176.
- o. DOUDNIKOFF, BASIL & ARTHUR N. CONNER, JR. Statistical Vocabulary Construction and Vocabulary Control with Optical Coincidence, p. 177-180.
- p. ARNOVICK, G. N. A Computer-Processed Information-Recording and Association System, p. 181-184.
- q. PRICE, DEREK J. DeSOLLA. Statistical Studies of Networks of Scientific Papers (abstract only), p. 187.
- r. GARFIELD, EUGENE. Can Citation Indexing be Automated? p. 189-192.
- s. KESSLER, M. M. Some Statistical Properties of Citations in the Literature of Physics, p. 193-198.
- t. SALTON, GERARD. An Evaluation Program for Associative Indexing, p. 201-210.
- u. SAVAGE, TERRY R. The Unevaluation of Automatic Indexing and Classification (abstract only), p. 211.
- v. STEVENS, MARY ELIZABETH & GENEVIE H. URBAN. Automatic Indexing Using Cited Titles, p. 213-215.
- w. WILLIAMS, J. H. Results of Classifying Documents with Multiple Discriminant Functions, p. 217-224.
- x. WALLACE, EVERETT M. Rank Order Patterns of Common Words as Discriminators of Subject Content in Scientific and Technical Prose, p. 225-229.
- y. DALE, A. G. & N. DALE. Clumping Techniques and Associative Retrieval, p. 230-235.
- z. HAMMOND, WILLIAM. Statistical Association Methods for Simultaneous Searching of Multiple Document Collections, p. 237-243.

417. (Continued)

- aa. BORKO, HAROLD. Studies on the Reliability and Validity of Factor-Analytically Derived Classification Categories, p. 245-257.
- bb. GIULIANO, VINCENT E. Postscript: A Personal Reaction to Reading the Conference Manuscripts, p. 259-260.
- 418. STEWART, BRUCE WARREN. A Computerized Serials Record System for the Texas A&M University Library. The Library, Texas A&M Univ., College Station, Tex., 1965, 123 p.
- 419. STICKLAND, HELEN D. Regional Workshop on Report Literature. Spec. Libr., 57 (Jan. 1966) 52-53.
- 420. STOKES, R. Bibliographical Control and Service. Libr. J., 91 (1 Feb. 1966) 675-676.
- 421. STONE, C. WALTER. A Library Program for Columbia. Pittsburgh, Pa., 15 Oct. 1965, 49 p.
- 422. Study Reveals Patterns in Inconsistent English Spelling. IEEE Spectrum, 3 (Mar. 1966) 218.
- 423. SUTHERLAND, I. E. The Future of On-Line Systems. In: Burgess, E., (ed.) On-Line Computing Systems. American Data Processing, Inc., Detroit, Mich., 1965, p. 9-13.
- 424. SUTHERLAND, W. R. The On-Line Graphical Specification of Computer Procedures. Ph. D. thesis. Massachusetts Institute of Technology, Cambridge, Mass., Jan. 1966, 127 p.
- 425. SWANSON, ROWENA. Information Sciences, 1965. Annual report no. 3, 1965. Air Force Office of Scientific Research, Directorate of Information Sciences, Washington, D.C., Jan. 1966, 108 p. AFOSR 66-0130 (AD-630 521).
(SWITZER, PAUL see Ref. 417 m)
- 426. SYDLER, JEAN PIERRE. Die Dokumentation in der Sicht der ETH-Bibliothek in Zürich. Nachr. Dok., 16 (Dec. 1965) 195-199.
- 427. SYSTEM DEVELOPMENT CORPORATION. Research and Technology Division Report for 1965. System Development Corp., Santa Monica, Calif., Jan. 1966, p. 1-20. (Report TM-530/009/00).

428. TATE, F. A. Some Recent Changes at the Chemical Abstracts Service. Percolator, 40 (July 1965) 42-46.
429. TAUBER, MAURICE F. & IRENE ROEMER STEPHENS. Technical Services in 1965. Libr. Resour. Tech. Serv., 10 (Spring 1966) 211-221.
430. TAVARES, JOÃO FERNANDO CONSADO. Comparacão de Sistemas de Classificacão. [Comparison of Classification Systems]. Fomento (Lisboa), 3:3 (1965) 325-336.
431. TAYLOR, ROBERT S. & CAROLINE E. HIEBER. Manual for the Analysis of Library Systems. Center for the Information Sciences, Lehigh Univ., Bethlehem, Pa., 8 Sept. 1965. (Library Systems Analysis, Report no. 3).
(TAYLOR, ROBERT W. see Ref. 47 b)
432. Third Edition of "Union List of Serials," Six Years in Preparation. Published in Five Mammoth Volumes. Recent Developments CLR (Council on Library Resources) no. 175, 1 Feb. 1966, 3 p.
433. THOMPSON, H. Joint Man/Machine Decisions. Systems and Procedures Ass., Cleveland, Ohio, 1965, 155 p.
(THORNTON, J. L. see Ref. 103 c)
434. TINKER, JOHN F. Imprecision in Meaning Measured by Inconsistency of Indexing. Amer. Doc., 17 (Apr. 1966) 96-102.
435. TOMPKINS, C. B. Mathematical Techniques for On-Line Systems. In: Burgess, E., (ed.) On-Line Computing Systems. American Data Processing, Inc., Detroit, Mich., 1965, p. 25-35.
436. TORREY, S. E. IDEA Network Implementation, Fiscal year 1965. Memorandum report. Frankford Arsenal, Fire Control Engineering Directorate, Philadelphia, Pa., Jan. 1966, 28 p. FA M66-16-1 (AD-629 225).
(TURNER, CHARLES W. see Ref. 47 f)
437. UHR, LEONARD. Is the Groping IR Field Ready for a Costly Crash Program? [Letter] Comm. ACM, 9 (Apr. 1966) 241-242.

1 July 1966

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T-3.08/01/00

438. ULLIAN, JOSEPH. Failure of a Conjecture about Context Free Languages. System Development Corp., Santa Monica, Calif., 9 Sept. 1965, 12 p. (Report no. TM-738/019/00, Scientific-4) AFCRL 65-806 (AD-~~124~~ 939).
439. ULLMANN, HANS C. Descriptor Relationships. System Development Corp., Santa Monica, Calif., 30 Nov. 1965, 17 p. (SP-2203).
440. ULLMANN, HANS C. Indexing Techniques. System Development Corp., Santa Monica, Calif., 22 Feb. 1966, 17 p. (SP-2317).
441. ULLRICH, O. A. & LEWIS E. WALKUP. Psychophysical Aspects of Microimage Reading. Battelle Tech. Rev., 15 (Jan. 1966) 10-14.
442. UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. Scientific and Technical Documentation Centres; UNESCO's Contribution to Their Development. Paris, 1965, 55 p.
443. UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. World Guide to Science Information and Documentation Services; Guide Mondial des Centres de Documentation et d'Information Scientifiques. Paris, 1965, 211 p. (Documentation and Terminology of Science).
444. UNIVERSITY OF CALIFORNIA, LOS ANGELES. RESEARCH LIBRARY. Automated Circulation Control in the University Research Library at UCLA; A Progress Report. Univ. of California, Los Angeles, 13 p., [n.d.]
445. UNIVERSITY OF ROCHESTER LIBRARY. Science Libraries Consolidated Short-Title Catalog of Books and Journals. Rochester, N.Y., Nov. 1965, 394 p.
446. URBANDOC. City Univ. N.Y. Grad. Newsletter., 2 (15 Dec. 1965).
447. VAVREK, BERNARD. The Book Catalog: One Step Backward? Wilson Libr. Bull., 40 (Nov. 1965) 269-270.
448. VEANER, ALLEN B. Developments in Copying Methods and Graphic Communication, 1965. Libr. Resour. Tech. Serv., 10 (Spring 1966) 199-211.
449. VICKERY, B. C. Faceted Classification Schemes. Graduate School of Library Service, Rutgers, the State University, New Brunswick, N.J., 1966, 108 p. (Rutgers Series on Systems for the Intellectual Organization of Information, edited by Susan Artandi. Vol. 5).

450. VLADIMIROV, LEV. Soviet Centralized Bibliography: its Strengths and Weaknesses. Coll. Res. Libr., 27 (May 1966) 185-190.
451. VOOS, HENRY. Standard Times for Certain Clerical Activities in Technical Processing. Libr. Resour. Tech. Serv., 10 (Spring 1966) 223-227.
(WAKEMAN, J. see Ref. 103 d)
452. WALKER, CECILIA. Wayne County Charging System. Drexel Libr. Quart., 1 (July 1965) 16-17.
(WALLACE, EVERETT M. see Ref. 417 x)
453. WARE, W. H. Impressions of Interdata 65. Comm. ACM, 8 (July 1965) 472-474.
454. WASSERMAN, MORTON N. A Computer-Prepared Book Catalog for Engineering Transparencies. Spec. Libr., 57 (Feb. 1966) 111-113.
455. WASSERMAN, PAUL. The Librarian and the Machine; Observations on the Applications of Machines in Administration of College and University Libraries. Gale, Detroit, Mich., 1965, 170 p.
456. WASSON, DONALD. The White House Conference on International Cooperation. Spec. Libr., 57 (Feb. 1966) 116.
457. WAY, KATHERINE. All the Fed-Legged Partridges; or 99.5% Retrieval of Scientific Information. Phys. Today, (Nov. 1965) 57-59.
458. WEBB, GEORGE N. & RICHARD E. ROGERS. The Contourograph. IEEE Spectrum, 3 (June 1966) 77-78, 83-87.
459. WEINREICH, U. Explorations in Semantic Theory. In: Sebeok, T. A. (ed.) Current Trends in Linguistics. Mouton, The Hague, 1965, vol. 3.
460. WEIZENBAUM, JOSEPH. ELIZA--A Computer Program for the Study of Natural Language Communication between Man and Machine. Comm. ACM, 9 (Jan. 1966) 36-45.
461. WELT, ISAAC D. International Cooperation in the Education and Training of Documentalists [Editorial]. Amer. Doc., 16 (Oct. 1965) 282.
462. WHATLEY, H. ALLAN. Library Science and Documentation Indexing and Abstracting Services. UNESCO Bull. Libr., 19 (Sept.-Oct. 1965) 226-231.

463. WHITEMAN, IRVIN R. New Computer Languages. Intl. Sci. Technol., 52 (Apr. 1966) 62-68.
464. WILLENBROCK, F. KARL. Spectral Lines: Increased Costs. IEEE Spectrum, 3 (June 1966) 41.
(WILLIAMS, J. H. see Ref. 417 w)
465. WILLIAMS, SAM P. A Short History of the Reprint Expediting Service. Libr. Resour. Tech. Serv., 10 (Spring 1966) 228-232.
466. WINCHELL, A. H. Mechanizing Information Systems for Manufacturing Organizations. Automation, 12 (Oct. 1965) 64-68.
467. WISWESSER, WILLIAM J. A Decoding Study of the Line-Formula Chemical Notation, Final Report. Author, 3103 River Road, Reading, Pa., Dec. 1965, 48 p. Sponsored by National Science Foundation and Administered by Reading Chemists' Club (1961-1965)
468. WOLFLE, DAEL. Transforming the National Science Foundation. Science, 152 (13 May 1966) 869.
469. WOOD, JENNINGS. United States Government Publications: A Partial List of Non-GPO Imprints. American Library Ass., Chicago, 1965, 86 p.
470. WOOSTER, HAROLD, PAUL L. GARVIN, LAMBROS D. CALLIMAHOS, JOHN C. LILLY, WILLIAM O. DAVIS, & FRANCIS J. HEYDEN. Communication with Extra-terrestrial Intelligence. IEEE Spectrum, 3 (Mar. 1966) 153-163.
471. WRIGHT, GORDON H. Reprography Aids HERTIS in its Bibliographic Service to Education and Industry. Libr. Ass. Rec., 67 (July 1965) 215-221.
472. YEATS, J. C. R. The Statement Index: A Subject Index Constructed from the Syntax of Titles. In: Looking Forward in Documentation, Section 2. Aslib, London, 1965, p. 43 ff.
473. ZARRISKIE, KENNETH H., JR. & MICHAEL F. LYNCH. Processing, Publishing, Storing, Correlating, and Retrieving Biochemical Information at Chemical Abstracts Service. J. Chem. Doc., 6 (Feb. 1966) 30-33.
474. ZAHARIAS, J. L. Library Information Search and Retrieval Data System (LISARDS). Naval Ordnance Test Station, China Lake, Calif., Nov. 1965, 41 p. Report no. NOTS-TP-3934. (AD-626 145).

475. ZELL, HANS M. & ROBERT J. MACHESNEY, (eds.) An International Bibliography of Non-Periodical Literature on Documentation & Information. Maxwell Scientific International, Long Island City, N.Y., 1965, 294 p.
(ZIEGLER, J. R. see Ref. 471)

476. ZINSSER, H. The Taxonomic Structuring of Medical Information and Its Usefulness in This Form. Meth. Inform. Med., 4 (Sept. 1965) 112-114.

477. ZIPF, E. M. Techniques for Selecting, Evaluating and Compacting the Drug Literature. Paper presented at Drug Information Association Inaugural Meeting in Washington, D.C., October 9, 1965. Available from BioSciences Information Service, 3815 Walnut St., Philadelphia, Pa.

ABBREVIATIONS & INDEX FOR PERIODICALS CITED

ALA Bull.--American Library Association Bulletin
189; 270

Amer. Behav. Sci.--American Behavioral Scientist
206

Amer. Doc.--American Documentation
56; 108; 120; 134; 153; 158; 174; 235; 247; 252; 297; 299; 312; 314; 348;
434; 461

Amer. J. Pathol.--American Journal of Pathology
292

Amer. Psychol.--American Psychologist
104; 328

Ann. Libr. Sci. Doc.--Annals of Library Science and Documentation
208; 245

Appl. Opt.--Applied Optics
26; 229

Austral. Libr. J.--Australian Library Journal
110

Automation
466

Babel
121

Battelle Tech. Rev.--Battelle Technical Review
441

BioScience
4

Bull. Bibl. Fr.--Bulletin de Bibliothèques de France
283

Bull. Med. Libr. Ass.--Bulletin of the Medical Library Association
154

Bus. Automat.--Business Automation
8; 303

Chem. Can.--Chemistry in Canada
319

City Univ. N. Y. Grad. Newslett.--City University of New York Graduate News-
letter
446

Coll. Res. Libr.--College & Research Libraries
79; 93; 115; 248; 275; 279; 304; 357; 385; 450

Comm. ACM--Communications of the Association for Computing Machinery
21; 22; 30; 36; 57; 64; 101; 106; 330; 331; 366; 395; 396; 397; 398; 437;
453; 460

Comput. Data Process. News--Computers & Data Processing News
306

Comput. Design--Computer Design
416

Data Process. Mag.--Data Processing Magazine
70; 278; 321; 410

Datamation
37; 45; 80; 196; 200; 268; 350; 373

Drexel Libr. Quart.--Drexel Library Quarterly
51; 68; 88; 113; 114; 179; 213; 250; 254; 349; 452

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164

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5

Fomento (Lisbon)
430

Herald Libr. Sci.--Herald of Library Science
271

IBM J. Res. Develop.--IBM Journal of Research and Development
27

IEEE Spectrum
18; 129; 251; 295; 296; 374; 422; 458; 464; 470

IEEE Trans. Electron. Comput.--IEEE Transactions on Electronic Computers
83; 94; 136; 170; 333

IEEE Trans. Eng. Manage.--IEEE Transactions on Engineering Management
117

Indexer
23; 24; 74; 100; 226; 317; 393

Inform. Control.--Information and Control
52

Inform. Display--Information Display
195

Int. Sci. Technol.--International Science and Technology
15; 123; 370; 463

J. Chem. Doc.--Journal of Chemical Documentation
65; 67; 109; 177; 210; 272; 282; 284; 473

J. Chem. Educ.--Journal of Chemical Education
225

J. Doc.--Journal of Documentation
72; 197

J. Psychol.--Journal of Psychology
301

Knihovnik (Prague)
249

Libr. Ass. Rec.--Library Association Record
322; 471

Libr. J.--Library Journal
3; 29; 323; 341; 420

Libr. Resour. Tech. Serv.--Library Resources & Technical Services
32; 82; 85; 92; 132; 133; 137; 167; 209; 218; 238; 263; 267; 274; 332; 353;
384; 405; 429; 448; 451; 465

Libr. World--Library World
116

Meth. Inform. Med.--Methods of Information in Medicine
50; 102; 138; 152; 159; 169; 302; 375; 383; 476

Missouri Med.--Missouri Medicine
291

Nach. Dok.--Nachrichten für Dokumentation
118; 139; 142; 155; 180; 324; 381; 386; 412; 426

Nat. Ass. Sci. Writers Newslett.--National Association of Science Writers
Newsletter
392

Nat. Micro-News--National Micro-News
40

Nature
233; 359

New Engl. J. Med.--New England Journal of Medicine
39

Occup. Psychol.--Occupational Psychology
86

Patent (USSR)
25

Percolator
6; 55; 168; 428

Phys. Today--Physics Today
31; 269; 457

Prod. Eng.--Product Engineering
81

Pulp & Paper Mag. Can.--Pulp and Paper Magazine of Canada
49

Res./Develop.--Research/Development
87

Rev. Int. Doc.--Revue Internationale de la Documentation
125; 171; 231; 325

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